

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 September 2000 (08.09.2000)

PCT

(10) International Publication Number
WO 00/52045 A3

(51) International Patent Classification: C07K 14/47,
A61K 38/17, A61P 35/00

(21) International Application Number: PCT/EP00/01458

(22) International Filing Date: 23 February 2000 (23.02.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI99A000396 26 February 1999 (26.02.1999) IT

(71) Applicant (for all designated States except US): FON-
DAZIONE CENTRO SAN RAFFAELE DEL MONTE
TABOR [IT/IT]; Via Olgettina, 60, I-20132 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PROTTI, Maria,
Pia [IT/IT]; Via Olgettina, 60, I-20132 Milano (IT).
DELLABONA, Paolo [IT/IT]; Via Olgettina, 60, I-20132
Milano (IT).

(74) Agents: MINOJA, Fabrizio et al.; Bianchetti Bracco Mi-
noja S.r.l., Via Rossini, 8, I-20122 Milano (IT).

(81) Designated States (national): AE, AL, AM, AT, AU, AZ,
BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent
(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

(88) Date of publication of the international search report:
4 January 2001

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MAGE-3 DERIVED IMMUNOGENIC PEPTIDES PRESENTED BY MHC OF CLASS II AND THE USE THEREOF

(57) Abstract: Peptides derived from the protein MAGE-3, pharmaceutical compositions containing them and the use thereof for inducing an immune response against tumors.

WO 00/52045 A3